

Use Attainability Analysis

for

WBID 2033 Tributary to Labarque Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

**Field Data Sheets for Recreational Use Stream Surveys**

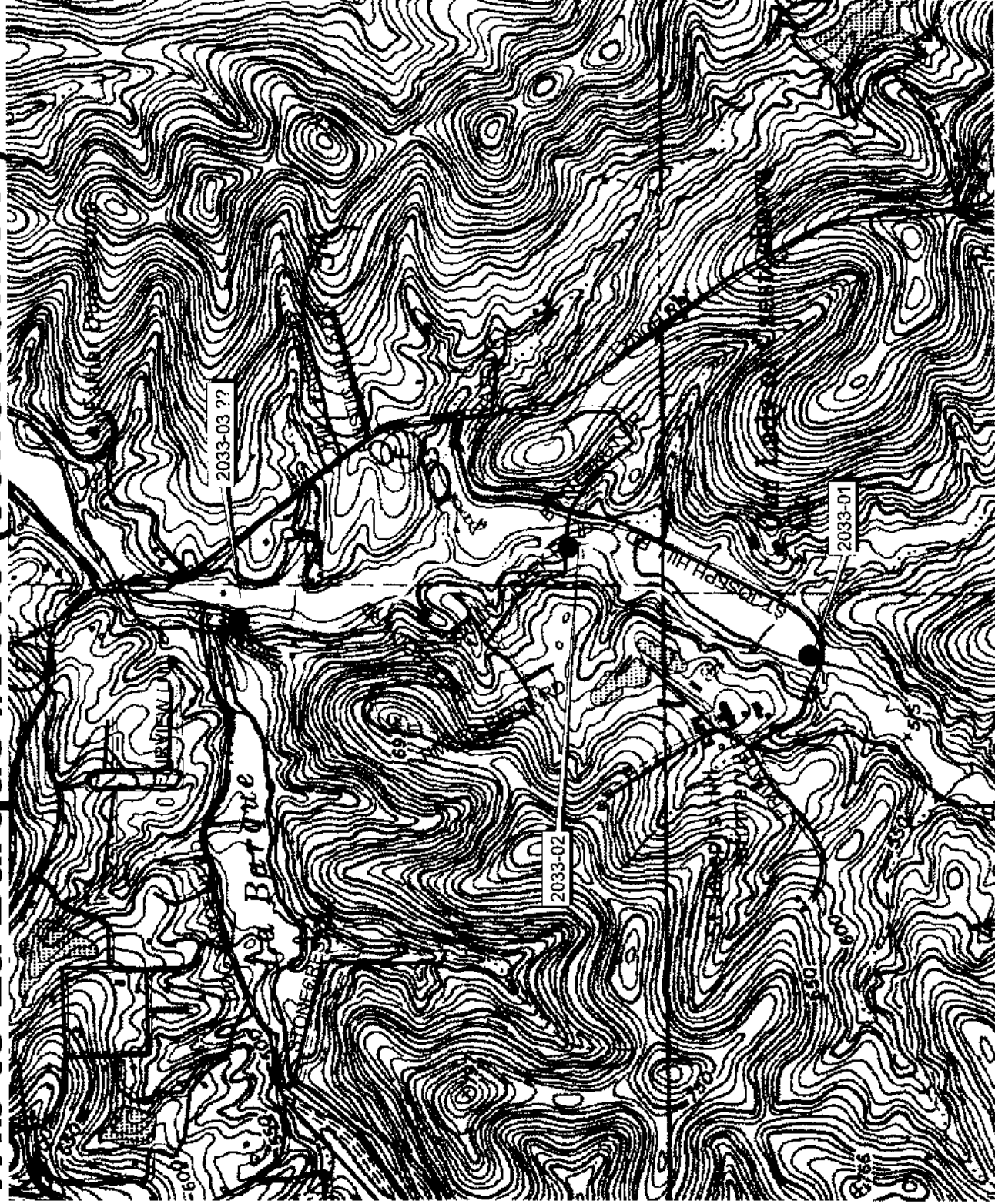
**Data Sheet A - Water Body Identification**

|  |
|--|
| Water Body Name (from USGS 7.5' quad): Tributary to Labarque Creek               |
| 8-digit HUC: 07140102  |
| Missouri WBID #: 2033  |
| County: Jefferson  |
| Upstream Legal Description:  |
| Downstream Legal Description:  |
| Upstream Coordinates:  |
| Downstream Coordinates:  |
| Discharger Facility Name(s): St. Joseph's Hill Infirmary; Winterwood Subdivision |
| Discharger Permit Number(s): MO-0081426; MO-0124036                              |
| Number of Sites Evaluated: <u>3</u>  |
| Name of Surveyor and Telephone Number: Mary Clark; 573-526-1002                  |
| Organization: Missouri Department of Natural Resources                           |
| Position: Environmental Specialist   |

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

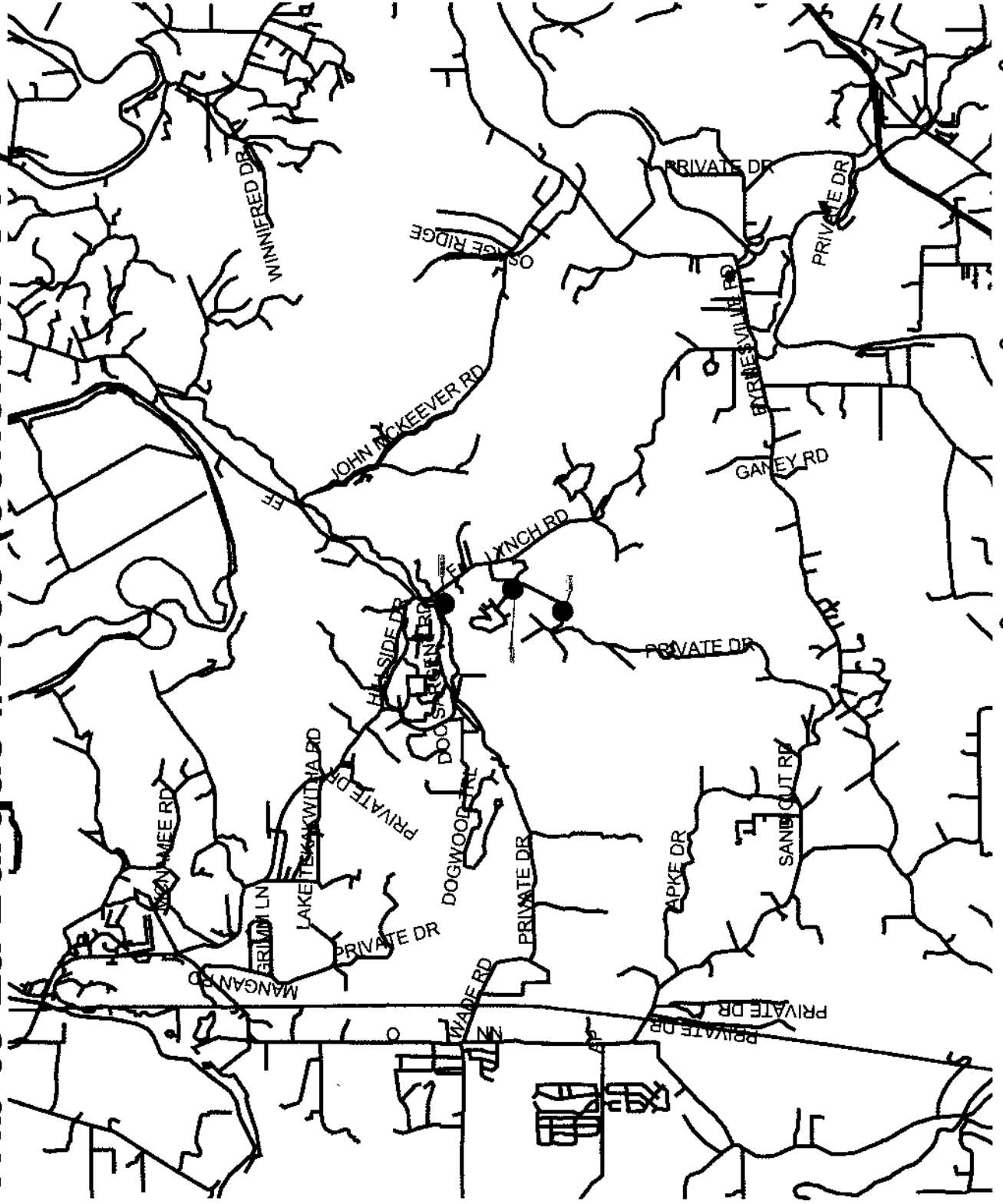
Signed: Mary Clark Date: 5-20-05

# Trib to La Barque #2033 (Jefferson Co.)

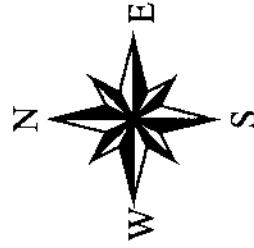


0.8 Mile

# Trib to La Barge #2033 (Jefferson Co.)



Roads.shp  
Classified Water B  
Counties



# Field Data Sheets for Recreational Use Stream Surveys

and 2 pick

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

|   |  |            |
|---|--|------------|
| Missouri WBID #: 2033-001                 | Site Location Description: Trib. to LaLarque Cr., Jefferson County |            |
| Site GPS Coordinates: no GPS              | 2033-01 St Joseph Hill Rd and trail                                |            |
| Date & Time: 5-20-05 3:30                 | Facility Name: St. Joseph's Hill Infirmary; Winterwood Subdivision |            |
| Personnel: Mary Clark                     | Permit Number: MO-0081426; MO-0124036                              |            |
| Current Weather Conditions: mostly cloudy | Weather Conditions for Past 7 days: warm / thurs. night storm      |            |
| Photo Ids: Upstream: 100-20               | Downstream: 100-21   | Other: -22 |

### Uses Observed\*:

|                                       |                                      |                                       |   |                                       |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming     | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing                       | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking    | <input type="checkbox"/> Boating      | <input type="checkbox"/> Wading                       | <input type="checkbox"/> Rafting      |
| <input type="checkbox"/> Hunting      | <input type="checkbox"/> Trapping    | <input type="checkbox"/> Fishing      | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other:       |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

|  |                                      |  |   |   |
|--|--------------------------------------|--|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands  | <input type="checkbox"/> Urban areas  | <input type="checkbox"/> Campgrounds    |
| <input type="checkbox"/> Boating accesses  | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests        | <input type="checkbox"/> Nature trails  | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign  | <input type="checkbox"/> Fence       | <input checked="" type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: St. Joseph Infirmary<br>Black Madonna Shrine |   |

### Evidence of Human Use\*:

|   |  |  |   |  |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads                       | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings                            | <input type="checkbox"/> Camping Sites     | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge    | <input type="checkbox"/> Fishing Tackle  |
| <input type="checkbox"/> Other: tourists looking for the shrine |  |  |   |  |

### Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

just below St Joseph Infirmary by rd.  
just across the road  
near the flow below bridge  
on the hill

# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #2033:

2033-01

### Stream Morphology:

#### Upstream View Physical Dimensions:

|  |   |                  |                                   |                     |
|--|---|------------------|-----------------------------------|---------------------|
| <input checked="" type="checkbox"/> Riffle | Width (ft): 15'   | Length (ft): 15' | Avg. Depth (ft): 2-3"             | Max. Depth (ft): 5" |
| <input type="checkbox"/> Run               | Width (ft):   | Length (ft):     | Avg. Depth (ft):                  | Max. Depth (ft):    |
| <input type="checkbox"/> Pool              | Width (ft):   | Length (ft):     | Avg. Depth (ft):                  | Max. Depth (ft):    |
| <input type="checkbox"/> Flow Present?     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                  | Estimated (ft <sup>3</sup> /sec): |                     |

#### Downstream View Physical Dimensions:

|   |   |                     |  |                             |
|---|---|---------------------|--|-----------------------------|
| <input type="checkbox"/> Riffle         | Width (ft):   | Length (ft):        | Avg. Depth (ft):                                 | Max. Depth (ft):            |
| <input checked="" type="checkbox"/> Run | Width (ft): 12  | Length (ft): 100 ft | Avg. Depth (ft): 1 ft                            | Max. Depth (ft): 1.5-2.0 ft |
| <input type="checkbox"/> Pool           | Width (ft):   | Length (ft):        | Avg. Depth (ft):                                 | Max. Depth (ft):            |
| <input type="checkbox"/> Flow Present?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                     | Estimated (ft <sup>3</sup> /sec): very slow flow |                             |

#### Substrate\*: (These values should add up to 100%.)

|                      |          |          |        |            |           |
|----------------------|----------|----------|--------|------------|-----------|
| ds+ 10% Cobble       | % Gravel | 90% Sand | % Silt | % Mud/Clay | % Bedrock |
| up- (90) sandy banks |          | (10)     |        |            |           |

#### Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

|   |
|---|
| macrophyte                                    |
| algae 25% non close-growing (not filamentous) |

#### Water Characteristics\*: (Mark all that apply.)

|                  |  |                                 |  |  |   |
|------------------|--|---------------------------------|--|--|---|
| Odor:            | <input type="checkbox"/> Sewage                  | <input type="checkbox"/> Musky  | <input type="checkbox"/> Chemical                  | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other:                             |
| Color:           | <input checked="" type="checkbox"/> Clear mostly | <input type="checkbox"/> Green  | <input type="checkbox"/> Gray                      | <input type="checkbox"/> Milky           | <input checked="" type="checkbox"/> Other: rusty along bank |
| Bottom Deposit:  | <input type="checkbox"/> Sludge                  | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None            | <input type="checkbox"/> Other:                             |
| Surface Deposit: | <input type="checkbox"/> Oil                     | <input type="checkbox"/> Scum   | <input type="checkbox"/> Foam                      | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other:                             |

Comments: Please attach additional comments (including information from interviews) to this form.

\*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Administered based on my observation

Signed: Mary Clark Date: 5-20-05

Organization: MNRK Position: SST

2033\_001\_US









**Data Sheet B - Site Characterization**  
(A separate data sheet must be completed for each site)

Page 1

# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #2033-02

### Stream Morphology:

#### Upstream View Physical Dimensions:

|   |   |   |                      |                       |
|---|---|---|----------------------|-----------------------|
| <input type="checkbox"/> Riffle         | Width (ft):   | Length (ft):  | Avg. Depth (ft):     | Max. Depth (ft):      |
| <input checked="" type="checkbox"/> Run | Width (ft): 7'  | Length (ft): 40'                                    | Avg. Depth (ft): 0.5 | Max. Depth (ft): 0.66 |
| <input type="checkbox"/> Pool           | Width (ft):   | Length (ft):  | Avg. Depth (ft):     | Max. Depth (ft):      |
| <input type="checkbox"/> Flow Present?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft <sup>3</sup> /sec): moderate velocity |                      |                       |

#### Downstream View Physical Dimensions:

|  |   |  |                     |                     |
|--|---|--|---------------------|---------------------|
| <input checked="" type="checkbox"/> Riffle | Width (ft): 10  | Length (ft): 25  | Avg. Depth (ft): 3" | Max. Depth (ft): 6" |
| <input type="checkbox"/> Run               | Width (ft):   | Length (ft):   | Avg. Depth (ft):    | Max. Depth (ft):    |
| <input type="checkbox"/> Pool              | Width (ft):   | Length (ft):   | Avg. Depth (ft):    | Max. Depth (ft):    |
| <input type="checkbox"/> Flow Present?     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft <sup>3</sup> /sec): moderately fast velocity |                     |                     |

#### Substrate\*: (These values should add up to 100%.)

|             |              |              |        |            |           |
|-------------|--------------|--------------|--------|------------|-----------|
| 40 % Cobble | 4.5 % Gravel | 10-15 % Sand | % Silt | % Mud/Clay | % Bedrock |
|-------------|--------------|--------------|--------|------------|-----------|

#### Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

|   |
|---|
| 15% algae (clay growing)<br>macro-phytes on gravel bars + banks |
|---|

#### Water Characteristics\*: (Mark all that apply.)

|                  |   |                                 |   |  |                                 |
|------------------|---|---------------------------------|---|--|---------------------------------|
| Odor:            | <input type="checkbox"/> Sewage           | <input type="checkbox"/> Musky  | <input type="checkbox"/> Chemical       | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color:           | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green  | <input type="checkbox"/> Gray           | <input type="checkbox"/> Milky           | <input type="checkbox"/> Other: |
| Bottom Deposit:  | <input type="checkbox"/> Sludge           | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil              | <input type="checkbox"/> Scum   | <input type="checkbox"/> Foam           | <input type="checkbox"/> None            | <input type="checkbox"/> Other: |

Comments: Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. *estimated based on my observations,*

Signed: May Rose Date: 5-20-05

Organization: MDNR Position: ES III



# Field Data Sheets for Recreational Use Stream Surveys

3rd 2. picture

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

|                             |   |        |
|-----------------------------|---|--------|
| Missouri WBID #: 2033 -03   | Site Location Description: Trib. to Lafayette Cr., Jefferson County |        |
| Site GPS Coordinates:       | Dop. Separated S. of Laborgue Creek bridge                          |        |
| Date & Time: 5-19-05 4:00   | Facility Name: St. Joseph's Hill Infirmary, Winterwood Subdivision  |        |
| Personnel: Mary Clark       | Permit Number: MO-0081426; MO-0124036                               |        |
| Current Weather Conditions: | Weather Conditions for Past 7 days:                                 |        |
| Photo Ids: Upstream: 100-23 | Downstream: 24  | Other: |

### Uses Observed\*:

|                                       |                                      |                                       |   |                                       |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming     | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing                       | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking    | <input type="checkbox"/> Boating      | <input type="checkbox"/> Wading                       | <input type="checkbox"/> Rafting      |
| <input type="checkbox"/> Hunting      | <input type="checkbox"/> Trapping    | <input type="checkbox"/> Fishing      | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other:       |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

rippl  
port - just above bridge on Laborgue  
where trip enters Laborgue

### Surrounding Conditions\*:

(Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

|  |                                      |   |   |   |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input checked="" type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds    |
| <input type="checkbox"/> Boating accesses  | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests       | <input type="checkbox"/> Nature trails          | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign  | <input type="checkbox"/> Fence       | <input type="checkbox"/> Steep slopes           | <input type="checkbox"/> Other:                 |   |

House across St - dogs

### Evidence of Human Use\*:

|   |  |  |   |  |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints       | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings      | <input type="checkbox"/> Camping Sites           | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge    | <input type="checkbox"/> Fishing Tackle  |
| <input type="checkbox"/> Other:           | trash bag - under gravel cable sign in the creek |  |   |  |

### Site Locations Map(s):

Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #2033: - 03

### Stream Morphology:

#### Upstream View Physical Dimensions:

|  |   |                 |  |                      |
|--|---|-----------------|--|----------------------|
| <input checked="" type="checkbox"/> Riffle | Width (ft): 5   | Length (ft): 30 | Avg. Depth (ft): 0.33                      | Max. Depth (ft): 0.5 |
| <input type="checkbox"/> Run               | Width (ft):   | Length (ft):    | Avg. Depth (ft):                           | Max. Depth (ft):     |
| <input type="checkbox"/> Pool              | Width (ft):   | Length (ft):    | Avg. Depth (ft):                           | Max. Depth (ft):     |
| <input type="checkbox"/> Flow Present?     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                 | Estimated (ft <sup>3</sup> /sec): moderate |                      |

#### Downstream View Physical Dimensions:

|  |   |                  |                                   |                     |
|--|---|------------------|-----------------------------------|---------------------|
| <input type="checkbox"/> Riffle          | Width (ft):   | Length (ft):     | Avg. Depth (ft):                  | Max. Depth (ft):    |
| <input type="checkbox"/> Run             | Width (ft):   | Length (ft):     | Avg. Depth (ft):                  | Max. Depth (ft):    |
| <input checked="" type="checkbox"/> Pool | Width (ft): 10'   | Length (ft): 15' | Avg. Depth (ft): 1.5'             | Max. Depth (ft): 3' |
| <input type="checkbox"/> Flow Present?   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                  | Estimated (ft <sup>3</sup> /sec): |                     |

#### Substrate\*: (These values should add up to 100%.)

|             |             |           |        |            |           |
|-------------|-------------|-----------|--------|------------|-----------|
| 35 % Cobble | 30 % Gravel | 35 % Sand | % Silt | % Mud/Clay | % Bedrock |
|-------------|-------------|-----------|--------|------------|-----------|

#### Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

|  |
|--|
| algae very little in riffle<br>pool - 30% clonal growing |
|--|

#### Water Characteristics\*: (Mark all that apply.)

|                  |   |                                 |   |  |                                 |
|------------------|---|---------------------------------|---|--|---------------------------------|
| Odor:            | <input type="checkbox"/> Sewage           | <input type="checkbox"/> Musky  | <input type="checkbox"/> Chemical       | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color:           | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green  | <input type="checkbox"/> Gray           | <input type="checkbox"/> Milky           | <input type="checkbox"/> Other: |
| Bottom Deposit:  | <input type="checkbox"/> Sludge           | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil              | <input type="checkbox"/> Scum   | <input type="checkbox"/> Foam           | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

Comments: Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. *estimate based on my observations.*

Signed: Mark Clark Date: 5-20-05

Organization: MDNR Position: ES III



2033\_003\_US



2033\_003\_DS

